APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Selection of Efficient Water Treatment Systems
For High- And Superhigh-Pressure Once-Through
Boilers, by M. S. Shirob, I. M. Sokolov.
TEPLOENERGETIKA
Moscow, Ter, [illegible], Vol II, No 2, [illegible]
4h.

ATB 55[illegible]
RJ-1523

Sci
May 59

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Application of the Theory of a Free Jet in A Stream Travelling in the Same Direction to the Calculation of Equipment Using Jets, by A. G. Polyushkov.

RUSSIAN, per, Teploenergetika, No 6, 1955, pp 16-17.

Coop Trans Schedule Nr 212
16a.03: 36,396

Sci - Aeronautics, Engineering

Jul 1956

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Experimental Investigation of Heat Exchange in Heating Chambers, by S. S. Filimonov.

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Navy 2045/T-69

Sci - Engr
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Temperature Variations in High Pressure Boiler Drums and Their Treatment, by I. A. Moshchanincv, G. F. Mochnik. UNCL

RUSSIAN, per, Teploenergetika, No 8, 1955, pp 44-48.

DSIR LLL (Lond) M.367

Sci + Phys
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An Investigation of Salt Carry Off by Steam Using Radioactive Isotopes, by A. A. Andreyevskiy, Yu. V. Zenkevich, 18 pp.

RUSSIAN, per, Teploenergetika, Vol II, No 9, 1955 pp 37-42.

AEC UCRL-Trans-501(L)

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Sci - Nuc Phys
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Approximate Method for Calculating Losses in Turbine Blading, by L. M. Zysina-Molozhen.

RUSSIAN, no per, Teploenergetika, No 9, 1955, pp 43-47.

Co-Op Trans Sch Tr 291
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Sci - Engineering

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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On the Influence of Ammonia Compounds on the Method of Working and Corrosion of Steam Powered Equipment, by D. S. Shvytsov,

RUSSIAN, per, Teploenergetika, No 9, 1955, pp 48-51.

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Investigation of the Combustion of Coal-Dust Suspensions in Air at Increased Pressures, by V. M. Tretyakov, 21 p.
RUSSIAN, per, Teploenergetika , Vol II, No 10, 1955, pp 38-45.
NLL RTS-2981

Sci-PRop & Fuels
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New Tables of the Basic Values of Specific Volume, Specific Heat, and Enthalpy of Water and Steam at High Pressure, by V. A. Kirillin, et al.

RUSSIAN, per, Teploenergetika, No 1, 1956, pp 16-21.

NLL NTS 2056

Sci - Engr

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Experimental Values for the Separate Flow of a Steam-Water Mixture in a Straight Horizontal Tube, by B. I. Kosterin et al.

RUSSIAN, per, Teploenergetika, No 1, 1956, pp 22-25.

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On the Method of Extrapolation of Creep Test Data, by V. S. Ivanova, 6 pp.

RUSSIAN, per, Teploenergetika, No 1, 1956, pp 26-28.

Sci Mun Lib Tr 57/1669

Sci - Engr
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Certain Data on the Temperature Region of Vertical Boiler Pipes at Near-Critical Pressures, by M. A. Styrikovich, M. E. Shitsman, Z. L. Miropol'skiy, 10 pp.

RUSSIAN, per, Teploenergetika, Vol III, 1956, pp 32-36.

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Tr 8-124

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Kelafati, D. D.
THERMODYNAMIC ANALYSIS OF STEAM-TURBINE PLANT CYCLES WITH RESUPERHEATING (Termodinamicheskiy Analiz Tsiklov Paroturbinnykh Ustanovok s Promezhutochnym Peregrevom). Jan 61, 26p 5 refs. RTS 1703.
Order from LC or SLA mi$2.70, ph$4.80 61-15717

Trans. of Teploenergetika (USSR) 1956 [v. 3] no. 3, p. 39-47.

An analytical expression for the efficiency of the regenerative cycle of the steam-turbine plants with resuperheating is obtained for an ideal cycle, taking into account the internal relative efficiencies. The relation between the optimum temperature of the regenerative heating in the low-pressure part of the turbine and the cycle parameters is considered. The condition for the thermodynamically most suitable initial resuperheating temperature is given. (Author)

(Physics--Thermodynamics, TT, v. 5, no. 8)

61-15717

1. Steam turbines--Temperature
I. Kelafati, D. D.
II. RTS-1703
III. Department of Scientific and Industrial Research (Gt. Brit.)

15167

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Effect of Non-Isothermal Field on Aerodynamic Flow in the Cyclone Furnace, by L. A. Vulis, B. P. Ustimenko. USSR.

RUSSIAN, per, Teploenergetika, Vol III, No 4, 1956, pp 36-39.

DSIR LIB (Loan) M.430

Sci - Phys
Aug 59

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Investigation of Heat Exchange Phenomena in Horizontal Tubes During Flow of a Steam-Liquid Mixture, by M. I. Kornayev, B. N. Puganov. UHCL

RUSSIAN, per, Teploenergetika, No 6, 1956, pp 39-44.
AEC BNL Tr-128 P911192767
DSIR ILL RTS 1173

(15s. 0d.)

Ski - Engr
Apr 60

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Some Problems of Heat Exchange and Frictional Resistance in Turbulent Flow, Pt Part II, by S. S. Kutateladze, 15 pp.

KUTATELADZE, S. S., Teploenergetika, No 7, 1956, pp 40-45. 9206090.

AEC/AERE Tr 911

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Experimental Investigation of the Specific Heat of Steam in the Sub-Critical Region, by A. M. Sirota, D. L. Timrot.

RUSSIAN, per, Teploenergetika, No 7, 1956, pp 16-23.

NLL FEB 1964

Bel - Engr

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Design of Supercritical Once-Through Boilers,
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RUSSIAN, per, Teploenergetika, Vol III, No 8,
1956, pp 3-10.

NLL Ref: 9022.09 1963 (3225) (loan)

May 64

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Results of Thermochemical Tests on a Once-Through Boiler at 215 and 300 Atm, by Yu. M. Kostrikin, Yu. O. Novi.

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NLL Ref: 9022.09 1963 (3226) (loan)

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Intensive Gasification of Solid Fuel for Gas Turbine Plants, by Kh. I. Kolodtsev, V. I. Babii. UNCL

RUSSIAN, per, Teploenergetika, Vol III, No 9, 1956, pp 18-24.

DSIR LLU (loan) M.405

Sci - Fuels
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Transformation of the Chemical Energy of Fuel Into Electrical Energy in Fuel Cells, by A. G. Pshenichnikov, 20 pp.

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ATIC MCL-401

Sci-Electron

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me Recommendations on the Design of Boilers With Natural Circulation for Super-High Steam Parameters, by V. A. Lokshin, et al.

RUSSIAN, per, Teploenergetika, No 11, 1956, pp 3-9.

Co-hp Tr Sch Tr 408

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Dynamic Characteristics of Once-Through Boilers, by
A. A. Davidov, et al.

RUSSIAN, per, Teploenergetika, No 11, 1956,
pp 19-24.

Co-op Tr Sch Tr 409

Sci - Engr
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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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On Schemes for Automatic Combustion Control Employing an Oxygen Meter, by V. D. Mironov. UNCL

RUSSIAN, per, Teploenergetika, No 11, 1956, pp 25-29.

Co-op Tr Scheme 355

Sci - Engr
Jul 59

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Research on a Highly Rated Gas Producer for Gas Turbine Plants, by Kh. I. Kolodtner, I. F. Orel'chenko. UNCL

RUSSIAN, per Teploenergetika, Vol III, No 11, 1956, pp 37-42.

DSIR LIU (loan) M.408

Sci - Fuels; Engr
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The Solubility of NaCl at 110 atm. in the Superheated Steam of Continuous Coil Boilers, by G. I. Aleinikov, Yu. M. Kostrikin, Yu. O. Novi, V. A. Taratuta. USSR.

RUSSIAN, per, Teploenergetika, Vol III, No 12, 1956, pp 10-14.

DSIR LLS (loan) M.418

Bel - Chem
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Technological Properties of Strongly Basic Anionites,
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RUSSIAN, per, Teploenergetika, Vol III, No 12, 1956,
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ATB 3K25R
RJ-152
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Measurement of Pulverized Coal Flow in ...
Air Stream, by P. A. Arshkin. USSR

RUSSIAN, per, Teploenergetika, Vol XIII, ...
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DSIR LIB M.554

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Sci - Engr
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The Questions of Thermo-Dynamic Analysis of the Combined Gas-Steam Installations, by D. P. Golushtein.

RUSSIAN, per, Teploenergetika, Feb 1957.

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Sci - Physics
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Control System of a New Series of Medium-Capacity Turbines, by M. G. Berenshtein, et al.

RUSSIAN, per, Teploenergetika, No 1, 1957, pp 3-8.

MLL M. 3587

Sci - Engr

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Jul 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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New Type of Cyclone Steam Separator, by
G. N. Ivanova,
RUSSIAN, per, Teploenergetika, Vol 4, No 1, 1957
pp 17-20,
ABC Risley tr 1116 (on Loan)
ALL.

Sch/Techn, Indust, Civil
and Marine Engr
Nov 66

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Condensation of Water Vapour From
a Moving Steam Air Mixture.
RUSSIAN, per, Teploenergetika,
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NLL 9022.09 1964 (2952) (On Loan)

Aug 65 286,493

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Investigation of the Solubility of Salts in Steam at Supercritical Parameters, by V. A. Styrikovich, et al. UNCLASSIFIED

RUSSIAN, per, Teplоenergetika, No 2, 1957, pp 3-7.

Co-op Tr Sch 592

Sci - Chem

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C.E.
Trans.
5515

FACTORS LEADING TO DUST EXPLOSIONS IN NATURAL FUELS

S.L. Shagalova

Teploenergetika, Vol. 4, pp. 16-20
(Feb. 1957)
(Digest, Vol. 9, abstract 1089)

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Improvement of Power Station Economy by Fuel Drying, by N. M. Mikhaylov. UNCL

RUSSIAN, per, Teploenergetika, Vol IV, No 2, 1957, pp 20-23.

DSIR LLU (loan) M.456

USSR
Econ
Sep59

95, 878

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Thermodynamic Study of District-Heating Plants,
by A. I. Andryushchenko.
RUSSIAN, per, Teploenergetika, No 2, 1957, pp 45-49.
AEC-Risley Tr 774

Sci
mar 65

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Investigation of the Quality of Steam at a Pressure of 185 atm., by L. S. Sterman, et al.

RUSSIAN, per, Teploenergetika, No 3, 1957, pp 17-22.

DSIR LUU RTS 1622

Sci - Engr

Oct 50

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Results of Operating the VTI Experimental Once-Through Boiler Installation at 300 Atm and 600°C, by K. A. Bakov, et al.

RUSSIAN, per, Teploenergetika, No 3, 1957, pp 22-26.

Co-op Tr Sch Tr 412

Sci - Engr
Mar 58

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Adrianov, V. N. and Shorin, S. N.
HEAT TRANSFER IN THE CHANNEL FLOW OF RADIATING COMBUSTION PRODUCTS. [1961] [22]p. 12 refs.
Order from OTS or SLA $2.60 61-20714

Trans. of Teploenergetika (USSR) 1957 [v. 4] no. 3, p. 50-[54]

DESCRIPTORS: Heat exchangers, Combustion chambers, *Heat transfer, Mathematical analysis.

The analytical solution of the problem of radiation transfer in the flow of a radiating medium in a cylindrical channel is compared with results of experimental research on composite heat transfer.

(Physics--Thermodynamics, TT, v. 7, no. 1)

61-20714

I. Adrianov, V. N.
II. Shorin, S. N.

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Arsen'ev, Yu. D.
THE PRINCIPLES OF APPLICATION OF APPROXIMATE SIMILARITY (O Printsipakh Primeneniya Priblizhennogo Podobiya). Oct 60 [5]p. 2 refs.
TIL/T. 5140. [DSIR LLU] M. 2618; AD-244 589.
Order from OTS or SLA $1.10 61-23395

Trans. of Teploenergetika (USSR), 1957 [v. 4] no. 3, p. 55-57.

DESCRIPTORS: Experimental data, Errors, Mathematical analysis, *Functions, Numerical methods and procedures, Simulation.

(Mathematics, TT, v. 6, no. 9)

61-23395

I. Arsen'ev, Yu. D.
II. TIL/T. 5140
III. Ministry of Aviation (Gt. Brit.)
IV. DSIR LLU M. 2618
V. AD-244 589

T. 5140

Office of Technical Services

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Some Problems Concerning Improvement in the Economy of Steam Turbines, by A. V. Shcheglayev, M. E. Daitsch.

RUSSIAN, per, Teploenergetika, Vol IV, No 4, 1957, pp 3-6.

DSIR LLU M.1911
(loan)
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Sci - Engr

Oct 60

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Relationships Characterizing the Output of a Turbine Stage, by A. M. Zavadovsky.

RUSSIAN, per, Teploenergetika, Vol IV, No 4, 1957, pp 6-10.

DSIR LIU M.1892
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New Hydraulic Schemes for the Control ~~of~~ of District-Heating Turbines, by I. I. Gal'perin.

RUSSIAN, per, Teploenergetika, No 4, 1957, pp 10-16.

MLL M. 3588

Sci - Engr

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Jul 62

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The Increase in Non-Cavitation Properties of Centrifugal Pump Stages by Means of Preconnected Axial Rotors, by V. I. Dunov, 11 pp. *

RUSSIAN, per, Teploenergetika, Vol IV, No 4, 1957, pp 16-21, Encl to IR-1673-57, AFCIN-1A1.

AF 1129150

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8c1 - Engineering
Oct 57

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Some Results From Burning Anthracite Culm in the Furnace of a TP-230-2 Boiler, by L. I. Pavlenko. UNCL

RUSSIAN, per, Teploenergetika, Vol IV, No 4, 1957, pp 28-33.

28

DSIR LLW (loan) M.454

Sci - Fuels
Sep 59

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Operating Experience With a Boiler Feed Water Demineralization and Silica Removal Plant, by P. S. Mikhailenko.

TEPLOENERGETIKA
RUSSIAN, per, Sovt, Vol IV, No 5, 1957, pp 24-30.

ATS 2625R
RJ-1522

Sci
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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experimental Investigetion of the Mechaniem of Heat Transfer With Surface Boiling of Water, by G. G. Treshchov.

RUSSIAN, per, Teploenergetika, Vol IV, No 5, 1957, pp 44-48.

Co-op Tr Scheme 165

Sci - Engr

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Oct 60

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Measurement of Metal Heat Conductivity in a Wide Range of Temperature During a Single Experiment, by O A Kosarev, 10 pp.

RUSSIAN, Per, Teploenergetika, Vol IV, 1957, pp 69-72.

AEC/SCL-T-220

Sci - Phys

Mar 59

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Experimental Study of the Mechanism of Heat Transfer in Surface Boiling of Water, by G. G. [illegible]

[illegible] per. Teploenergetika, no 5, 1957, pp 44-47.

Co-Op Tr Soh
Tr 465

73 074

Sci - Phys
Sep 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Experimental Study of Circulating Pressures in the Downward Flow of Steam-Water Mixtures in Vertical Tubes at Pressures Up to 180 ATM, by A. L. Shvarts, et al.

RUSSIAN, per, Teploenergetika, No 6, 1957, pp 12-16.

Co-op Tr Scheme 489

Sci - Phys

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

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Ragulin, N. P.
PRESSURE EQUALIZATION IN THE PIPE-TURNS OF A ONCE-THROUGH BOILER. [1960] [9]p. 1 ref.
C. E. Trans. 1655; M2318.
Order from LC or SLA mi$1.80, ph$1.80 61-15461

Trans. of Teploenergetika (USSR) 1957, v. 4, no. 6, p. 21-25.

An analysis is given of the functioning of breather headers in once-through boilers for reduction of pulsation between the pipe-turns, and of the variation in heat i beorp.. a. (Author)

(Engineering--Mechanical, TT, v. 5, no. 8)

61-15461

1. Steam pipes--Pressure distribution
2. Boilers--Design
3. Title: Once-through boiler
I. Ragulin, N. P.
II. CE Trans-1655
III. DSIR LLU M. 2318
IV. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Berman, L. D.
EXPERIMENTAL INVESTIGATIONS OF STEAM CONDENSATION IN THE PRESENCE OF NONCONDENSING GASES (Eksperimental'nyye Issledovaniya Kondensatsii para v Prisutstvii Nekondensiruyushchikhsya Gazov). [1960] [23]p. (foreign text included) 27 refs. M1436.
Order from LC or SLA mi$2.70, ph$4.80 60-23029

Trans. of Teploenergetika (USSR) 1957, v. 4, no. 6, p. 43-50.

The paper examines the results of a number of experiments and the possible fields of application of the proposed experimental relations for the coefficients of heat loss and mass transfer in steam condensation from a steam-gas mixture; and takes note of questionable and erroneous statements in certain work. (Author)

(Chemistry--Physical, TT, v. 5, no. 3)

60-23029

I. Steam--Condensation
I. Berman, L. D.
II. DSIR LLU M. 1436

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experimental Investigations of Steam Condensation in the Presence of Noncondensing Gases, by L. D. Berman.

RUSSIAN, per, Teploenergetika, Vol IV, No 6, 1957, pp 82-86.

DSIR LLU M.1436
(loan)

Sci - Phys

Sep 60

125,588

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

A Method of Studying Graphitization and Estimating Its Rate of Development, by A. Z. Kosterovskiy. USSR.

RUSSIAN, per.Teploenergetika, Vol IV, No 7, 1957, pp 57-59.

DSIR LIU (loan) M.426

Sci - Fuels
Aug 59

94, 846

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

A New Method of Generalizing Experimental Data on the Movement of a Steam-Water Mixture in Vertical Tubes, by G. E. Kholodovskiy.
UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 7, 1957, pp 68-71.

Co-Op Tr Scheme 498

Sci & Phys
Dec 58

78,055

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Heat Transfer in Film Condensation of Pure Steam on Vertical Surfaces and Horizontal Tubes, by D. A. Labuntsov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, 4 No 7, 1957, pp 72-79.

Co-Op Tr Sch
Tr 454

Sci - Phys
Sep 58

73,071

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experimental Investigation of the Regulation of the IMZ SVK-150 Turbine, by B. P. Murganov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 8, 1957, pp 9-15.

*DSIR/TCL 104

Sci - Engr
Oct 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Profile and Tip Losses in a Turbine Stage,
by A. M. Zaretskiy. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 8, 1957,
pp 15-18.

Co-op Tr Scheme 540
(L 1.12s.)

Sci - Engr
Oct 58

77,845

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Coefficients of Flow Through Pressure-Equalizing Holes in Turbine Discs, by G. S. Samoilovich, et al. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 8, 1957, pp 18-22.

Co-op Tr Scheme 541
(L 2.8s.)

Sci - Engr
Oct 58

77,846

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Calculation of Heat Transfer in Boiler Furnaces, by P. K. Konakov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 8, 1957, pp 48-52.

Co-Op Tr Scheme 499

Bri - Phys
Dec 58

78,011

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Measurement of the Temperature of a Film of Liquid Slag in Boilers With Liquid Slagging, by S. O. Agababov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 8, 1957, pp 65-67.

Co-Op Tr Scheme 508

Sci - Phys
Dec 58

78,044

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

11 386 US-14

KHOLODOVSKII G. E.

A new method of generalizing experimental data on the flow of steam-water mixtures in vertical pipes

Teploenergetika, 4, No. 8, 68-72 (1957)

ATS-91M40R. $ 13.50 - English

Euratom

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

The Use of Accelerators in Steam Turbine Control Systems, by V. N. Veller.

RUSSIAN, per, Teploenergetika, No 9, 1957, pp 7-12.

MLL M. 3589

Sci - Engr

Jul 62

201, 173

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Reduction of Cavitation in Centrifugal Pumps,
by I. F. Chebarovskiy. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 9, 1957,
pp 12-16.

Co-op Tr Scheme 543
(L 2.)

Sci - Engr
Oct 58

77, 347

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experience in Running the Boilers for Kiev TETS-3 Heat and Power Station on Natural Gas, by M. M. Omel'chenko. RUSSIAN, per, Teploenergetika, No 9, 1957, pp 26-32.
NLL Ref: 9022.09 (4788)

Sci-Mech
Apr 69 379,912

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Turbine Stage with Constant Reaction, by [redacted] Levina Slobodianyuk.

RUSSIAN, per, Teploenergetika, Vol IV, Sep 1956, pp 28-35.

ASLIB-IBL53

Sci

Aug 59

95,286

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Investigation of the Effect of the Velocity of a Steam-Water Mixture in a Header on Its Distribution Between Parallel Turns, by B. X. Khaynin, et al. UNCLASSIFIED

RUSSIAN, pur, Teploenergetika, No 9, 1957, pp 37-39.

Co-Op Tr Scheme 501

Sci - Phys
Dec 58

78,143

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Behaviour of the Metal in Radiation Superheaters in the Boiler Walls, by A. K. Vnukov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 9, 1957, pp 45-47.

Co-Op Tr Scheme 500

Sci - Phys
Dec 58

78,042

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Temperature Conditions in Horizontal Steam-Generating Tubes at Extra High Pressures, by V. G. Chakrygin, et al. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 9, 1957, pp 58-63.

Co-Op Tr Scheme 509

Sci - Phys
Dec 59

78,041

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Heat Transfer During Boiling of Water Below Saturation Temperature in Tubes, by I. T. Aladyev, et al. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 9, 1957, pp 64-67.

Co-Op Tr Scheme 510

Sci - Phys
Dec 58

78,048

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Heat Transfer in an Air-Cooled Cyclone Combustion Chamber With Gas Outlet at the Top, by B. D. Katsnel'son, et al. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 9, 1957, pp 6 73-75.

Co-Op Tr Scheme 512

Sol - Playa
Dec 58

NT 78,046

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Operating Temperatures of Horizontal Steam-Generating Tubes at Supercritical Pressures (230 to 250 atm.), by V. O. Chakrygin, et al.
UNCLASSIFIED

RUSSIAN, pre, Teploenergetika, No 10, 1957, pp 27-29.

Co-Op Tr Sch
Tr 456

Sci - Phys
Sep 58

73,083

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

An Investigation of the Effect of Alternating Temperature Stresses on the Strength of Steels, by A. V. Ratner, 15 pp.

RUSSIAN, per, Teploenergetika, Vol IV, No 10. 1957, pp 73-77.

OTS 60-13850

Sci

129,440

OTS, Vol IV, No 3

Oct 60

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Achievements ofSoviet Power Engineering in the Operation of Electric Power Stations, by B. I. Dub, 30 pp. UNCLASSIFIED

RUSSIAN, mo per, Teploenergetika, No 11, Moscow, Nov 1957, pp 5-13.

US JPRS/NY-L-24

SLA A-1730

59/152

USSR
Econ - Electric Power
Mar 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Kostrikin, Yu. M.
EFFECTIVENESS OF OXYGEN REMOVAL BY HYDRAZINE. [1962] 7p.
Order from ATS $8.25 ATS-03P61R

Trans. of Teploenergetika (USSR) 1957, v. 4, no. 11, p. 70-73.

DESCRIPTORS: *Hydrazines, Oxygen, Disposal.

AEC-Tr-6104
(92/7201)

(Chemistry--Organic, TT, v. 8, no. 4)

62-17726

I. Kostrikin, Yu. M.
II. ATS-03P61R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experimental Investigation of the Specific Heat C_p of Water and Steam at High Temperatures and Pressures, by A. S. Sheindlin, D. S. Rasskazov.

RUSSIAN, per, Teploenergetika, No 11, 1957, pp 81-83.

NLL RTS 2053

Sci - Chem

201.574

Aug 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Prevention of Oxygen Corrosion by Means of Hydrazine, by P. A. Akol'sin, D. A. Danilenko, B. A. Kolodiazhnyi, M. A. Mulakov, I. KH. Shmilovich
5 pp.

RUSSIAN, per, Teploenergetika, Vol IV, 1957, p 96.

AEC NP 120

Sci - Chem

Oct 58

74,598

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Influence of the Temperature of the Rear Wall of a Boiler on Corrosion by Flue Gases, by Petrosyan

RUSSIAN, per, Teploenergetika, No 12, 1957, pp 16-20.

British a Iron and Steel
Ind 984 (L3.15.0)

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Sci - Phys
Jan Mar 58

75,725

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Plant for desorption Deoxygenation of Water, by P. A. Akol'zin.
RUSSIAN, per, Teploenergetika, Vol 4, 1957, No 12, pp 54-57.
NLL Ref: 9022.09 (4894)

Sci-Chem
May 69

380,699

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Dissociation Sulfur Oxide in Water Used for Washing Flue Gases, by B. A. Chertkov, 13 pp.

RUSSIAN, per, Teploenergetika, Vol IV, No 12, 1957, pp 61-65.

SLA 60-17720

Bel

MS, Vol IV, No 3

Sep 60

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Measurement of Metal Heat Conductivity in a Wide Range of Temperature During a Single Experiment, by O. A. Kraev.

RUSSIAN, per, Teploenergetika, Vol IV, No 12, 1957, pp 69-72

*AEC

Sci - Chem

Dec 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Operating Temperatures of Vertical Steam-Generating Tubes at Superhigh and Supercritical Pressures With Downward Flow, by V. G. Chakrygin, et al. UNCLASSIFIED

RUSSIAN, per Teploenergetika, No 1, 1958, pp 3-8.

Co-op Tr Scheme 528
(L 2.8s.)

Sci - Engr
Oct 58

77,850

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Problems in the Planning of Equipment for Shot-Blasting Convexion Surfaces of Boiler Plants, by N. V. Kuznetsov, et al. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 1, 1958, pp 8-12.

*DSIR/TCL 109

Sci - Engr
Nov 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Determination of the Extreme Permissible Load on a Centrifugal Steam Separator From Data Obtained in an Experiment With a Low Pressure Model, by Yu. V. Lubinskiy. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 1, 1958, pp 22-25.

Co-op Tr Sch 579

Sci - Engr

Mar 59

82,415

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Investigation of the Effectiveness of Short Turbine Vanes, by M. K. Maksutova, V. N. Zanadvorova, 12 pp.

RUSSIAN, Per, Teploenergetika, 1958, Vol V, No 1, pp 31-33.

SLA 59-10923

pol
Nov 59
Vol 2, No 3

100,934

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Relationship of the Heat Conductivity of Certain Heat-Resisting Alloys to Their State and Heat Treatment, by R. F. Krzhizhanovskiy. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 1, 1958, pp 44-48.

*DSIR/TCL 109

Sci - Phys; Min/Met
Nov 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Heat Conductivity and Electrical Conductivity of Chrome-Nickel Austenitic Steels, by B. E. Neymark. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 1, 1958, pp 48-52.

*DSIR/TCL 109

Sci - Phys
Nov 58

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Concerning the Influence of the Temperature of a Liquid on the Cavitation Characteristics of a Centrifugal Pump, 10 pp, by M. A. Peshkin

RUSSIAN, per, Teploenergetika, No 2, 1958, pp 47-51. 9673069

FTD-TT-61-52

Mel - Phys

3 Mar 62

186,173

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Creep in Semi-Annular Plates, by P. Ya. Boguslavskiy.

RUSSIAN, per, Teploenergetika, No 2, 1958, pp 56-61.

BISI 1441

Sml - Engr

Jun 63

158542

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Zelenskiy, V. G.
RESISTANCE OF SOME MATERIALS TO EROSIVE WEAR BY A FLOW OF WATER THROUGH A SLIT, tr. by J. K. Skwirzynski. July 60 [19]p.
[DSIR LLU] M.2320.
Order from LC or SLA ml$2.40, ph$3.30 61-15462

Trans. of Teploenergetika (USSR) 1958, v. 5, no. 2, p. 63-69.

Several materials were subjected to erosive wear by a flow of water through a slit. The erosion resistance of investigated materials is compared with that of steel 5 Yn 1 T. Factors influencing the wear of materials are considered and recommendations are given for the choice of materials for particular armature parts as well as for feeding pumps. (Translator)

(Metallurgy--Corrosion, TT, v. 5, no. 12)

61-15462

1. Fluid flow--Corrosive effects
2. Water--Corrosive effects
3. Metals--Corrosion
I. Zelenskiy, V. G.
II. DSIR LLU M.2320

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Experimental Investigation of the Effect of Vibration of Heat Transfer During Boiling, by V. P. Kovalenkov. UNCLASSIFIED

RUSSIAN, per, Teploenergetika, No 2, 1958, pp 76, 77.

DSIR/TCL 110

Sci - Phys

Co-op Tr Sch. 595

Nov 58

82,019

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Boiling of Freon 11, Methylene Chloride and Benzene on a Horizontal Pipe, by V. G. Fastovskiy, et al. UNCL

RUSSIAN, per, Teploenergetika, No 2, 1958, pp 77-80.

DSIR LLU REF 1026

10s.

Sci - Chem
Jun 59

88,476

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4

Gel'man, L. I.
HEAT EXCHANGE BY DROP CONDENSATION OF MERCURY VAPOR [Teploobmen pri Kapel'noi Kondensatsii Rtutnogo Para]. 1962, 8p.
Order from MUL $8.50 MUL-T62-2

Trans. of Teploenergetika (USSR) 1958, v. 5, no. 3, p. 47-50.

DESCRIPTORS: *Heat exchangers, *Mercury, Vapors, Condensation, Power plants, Heat transfer.

(Physics--Thermodynamics, TT, v. 9, no. 2)

63-12380

I. Gel'man, L. I.
II. MUL-T62-2
III. Mulholland Ergineering Translations, Cincinnati, Ohio

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100002-4